## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref# | Hits   | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------|--------|--|---|---------------------|---------|---------------------|
| S61  | 1085   | 348/335.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/12/10<br>10:18 |
| S62  | 1      | S61 and (AO or<br>(adaptive adj2 optic))<br>same (aberration or<br>deviation)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/12/10<br>10:18 |
| S63  | 28     | S61 and (AO or optic) same (aberration or deviation)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/12/10<br>10:19 |
| S64  | 4<br>4 | ("20020012055"   "20020052722"   "20020118457"   "20020145671"   "20030057353"   "20030169944"   "20040096125"   "20040234152"   "20040234152"   "20040247750"   "20040247195"   "20040247196"   "20050002586"   "20050002586"   "20050008242"   "200500094290"   "20060050409"   "20060204861"   "4532548"   "4691366"   "55023641"   "5580728"   "5748371"   "5748491"   "5751861"   "5867410"   "6069738"   "6094467"   "6154574"   "6240219"   "6333990"   "6344893"   "6525302"   "6545714" | US-PGPUB;<br>USPAT; USOCR                               | OR                  | OFF     | 2009/12/10          |

|             |      | "6757012"  <br>"6900838"   "6927922"<br>  "7003177"  <br>"7012749"  <br>"7061693").PN.                              |   |    |    |                     |
|-------------|------|---|---|----|----|---------------------|
| <b>S</b> 65 | 614  | (aberration or<br>deviation) with (reduc<br>\$3 or cancel\$3) with<br>focus\$3 with image                           | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:27 |
| S66         | 217  | (aberration or deviation) with (reduc \$3 or cancel\$3) with focus\$3 with image with optic\$2                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:27 |
| S67         | 2    | (aberration or deviation) with (reduc \$3 or cancel\$3) with (in adj1 focus\$3) with image                          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:34 |
| S68         | 0    | (aberration or deviation) with (reduc \$3 or cancel\$3) with focus\$3 with image same (sequen\$5 with control\$4)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:38 |
| S69         | 0    | (aberration or<br>deviation) with (reduc<br>\$3 or cancel\$3) with<br>focus\$3 same (sequen<br>\$5 near4 divers\$5) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:40 |
| S70         | 0    | (aberration or deviation) with (reduc \$3 or cancel\$3) with focus\$3 and (sequen\$5 near4 divers\$5)               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:40 |
| S71         | 666  | wavefront with<br>aberration with process<br>\$3  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:46 |
| S72         | 1085 | 348/335.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:46 |
| S73         | 4    | S71 and S72   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:47 |

| S74 | 38  | wavefront with<br>aberration with process<br>\$3 with adapt\$3   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM TDB | OR | ON  | 2009/12/10<br>14:47 |
|-----|-----|--|---|----|-----|---------------------|
| S75 | 278 | wavefront with<br>aberration with adapt<br>\$3 with (lens or optic)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>14:49 |
| S76 | 410 | wavefront with<br>aberration with adapt<br>\$3   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>14:51 |
| S77 | 0   | S76 and S72  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>14:51 |
| S79 | 316 | 250/201.9.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>14:51 |
| S80 | 35  | S76 and S79  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>14:52 |
| S81 | 3   | ("20020027661"  <br>"5276636"  <br>"5859728").PN.  | US-PGPUB;<br>USPAT; USOCR                               | OR | OFF | 2009/12/10<br>14:54 |
| S82 | 6   | S65 and S79  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>14:55 |
| S83 | 31  | S71 and S79  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:30 |
| S84 | 13  | ("3980879"  <br>"4141652"   "4409602"<br>  "4696573"  <br>"4824243"   "5120128"<br>  "5128530"  <br>"5157459"   "5229592"<br>  "5229889"  <br>"5287165"   "5300766"<br>  "53844455").PN. | US-PGPUB;<br>USPAT; USOCR                               | OR | OFF | 2009/12/10<br>15:31 |

| S85 | 273 | 250/201.8.cds.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:34 |
|-----|-----|---|---|----|-----|---------------------|
| S87 | 6   | S85 and (S65 or S71)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:34 |
| S88 | 0   | S85 and S76   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:35 |
| S89 | 35  | S76 and S79   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:35 |
| S91 | 2   | (sequential adj3<br>diversity ) and<br>((adaptive adj2 optic)<br>or AO)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:40 |
| S92 | 30  | ("20020001088"   "20040056174"   "20040190002"   "20050007603"   "20050012784"   "20050151960"   "4309602"   "4518854"   "4682025"   "5120128"   "5384455"   "5120128"   "5384455"   "6130419"   "6429415"   "6452146"   "6532073"   "6570143"   "6639683"   "6674519"   "6683291"   "6727992"   "6781701"   "6787747"   "6818876"   "6819435"   "6847456"   "6924899").PN. | US-PGPUB;<br>USPAT; USOCR                               | OR | OFF | 2009/12/10          |
| S93 | 148 | 359/16.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:44 |

| S94  | 210 | 359/256.ccls.                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:46 |
|------|-----|--|---|----|-----|---------------------|
| S95  | 0   | (sequential adj3<br>diversity ) with<br>aberration | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:47 |
| S96  | 0   | (sequential adj3<br>diversity ) same<br>aberration | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:48 |
| S97  | 8   | S94 and (S65 or S71 or<br>S76)                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:49 |
| S98  | 3   | ("20020027661"  <br>"5276636"  <br>"5859728").PN.  | US-PGPUB;<br>USPAT; USOCR                               | OR | OFF | 2009/12/10<br>15:50 |
| S99  | 9   | S72 and (S65 or S71 or<br>S76)                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:51 |
| S100 | 210 | 359/256.ccls.                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:56 |
| S101 | 148 | 359/16.ccls.                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:57 |
| S102 | 8   | S100 and (S65 or S71<br>or S76)                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:57 |
| S103 | 8   | S101 and (S65 or S71<br>or S76)                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/12/10<br>15:57 |

| S104   | 63 | Gonsalves-Robert\$8.in. | US-PGPUB;   | OR | ON | 2009/12/10 |
|--------|----|-------------------------|-------------|----|----|------------|
| ****** |    |                         | USPAT; EPO; |    |    | 16:25      |
|        |    |                         | JPO;        |    |    |            |
|        |    |                         | DERWENT;    |    |    |            |
|        |    |                         | IBM_TDB     |    |    |            |

## **EAST Search History (Interference)**

| Ref# | Hits | Search Query  | DBs                      | Default Operator | Plurals | Time Stamp       |
|------|------|---|--------------------------|------------------|---------|------------------|
| S105 | O    | ((adaptive adj2 optic) and (cancel\$3 or reduc\$) and aberration and (in adj1 focus\$3) and (sequential adj2 diversity) and camera).clm.          | US-PGPUB;<br>USPAT; UPAD | OR               | ON      | 2009/12/10 16:30 |
| S106 | 1    | ((adaptive adj2<br>optic) and (cancel\$3<br>or reduc\$) and<br>aberration and focus<br>\$3 and (sequential<br>adj2 diversity) and<br>camera).clm. | US-PGPUB;<br>USPAT; UPAD | OR               | ON      | 2009/12/10 16:30 |
| S107 |      | (lens and (cancel\$3 or reduc\$) and aberration and focus \$3 and (sequential adj2 diversity) and camera).clm.                                    | US-PGPUB;<br>USPAT; UPAD | OR               | ON      | 2009/12/10 16:32 |
| S108 | 0    | ((adaptive adj2 optic) and (cancel\$3 or reduc\$) and aberration and (in near1 focus\$3) and (sequential adj2 diversity) and camera).clm.         | US-PGPUB;<br>USPAT; UPAD | OR               | ON      | 2009/12/10 16:32 |
| S109 | 1    | ((adaptive adj2 optic) and aberration and focus \$3 and (sequential adj2 diversity) and camera).clm.  | US-PGPUB;<br>USPAT; UPAD | OR               | ON      | 2009/12/10 16:34 |
| S110 | 1    | ((adaptive adj2<br>optic) and<br>aberration and focus<br>\$3 and (sequential<br>adj2 diversity)).clm.   | US-PGPUB;<br>USPAT; UPAD | OR               | ON      | 2009/12/10 16:34 |

| S111   | 1 | (optic and            | US-PGPUB;   | OR | ON | 2009/12/10 16:34 |
|--------|---|-----------------------|-------------|----|----|------------------|
|        |   | aberration and focus  | USPAT; UPAD |    |    |                  |
| 200000 |   | \$3 and (sequential   |             |    |    |                  |
|        |   | adj2 diversity)).clm. |             |    |    |                  |

12/10/09 4:37:43 PM

C:\ Documents and Settings\ Inguyen2\ My Documents\ EAST\ Workspaces\ 10798004.wsp